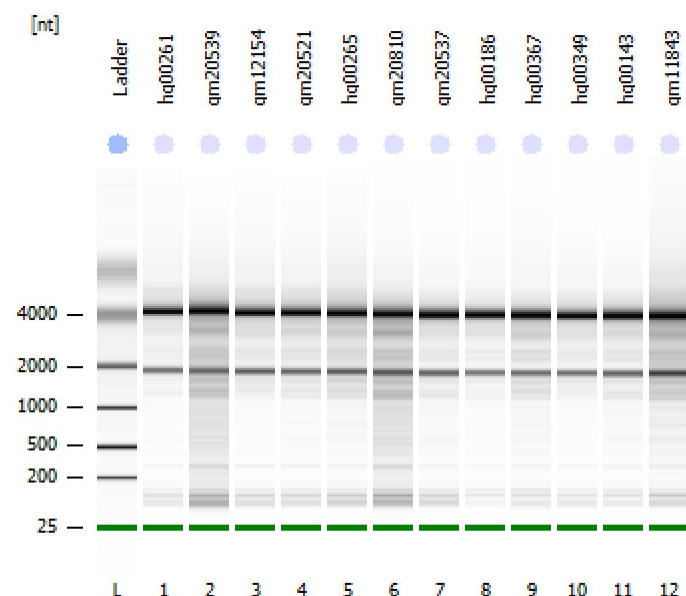


Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...Eukaryote Total RNA Nano_DE04105537_2011-10-18_11-41-52.xad

Created: 10/18/2011 11:41:51 AM
Modified: 10/18/2011 12:05:15 PM

Electrophoresis File Run Summary**Instrument Information:**

Instrument Name: DE04105537
Serial#: DE04105537

Firmware: C.01.069
Type: G2938C

Assay Information:

Assay Origin Path: C:\Program Files\Agilent\2100 bioanalyzer\2100 expert\assays\RNA\Eukaryote Total RNA Nano Series II.xsy

Assay Class: Eukaryote Total RNA Nano

Version: 2.6

Assay Comments: Total RNA Analysis ng sensitivity (Eukaryote)

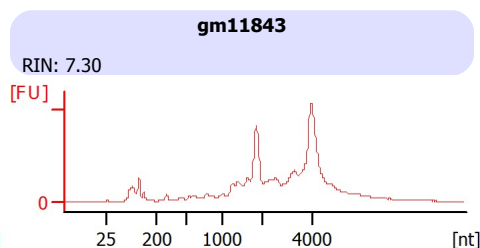
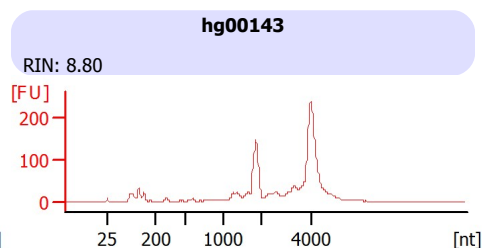
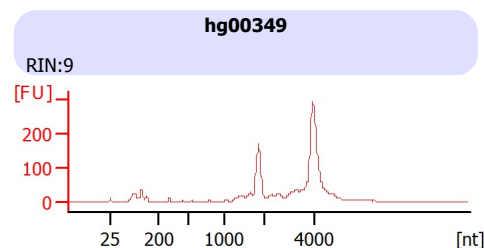
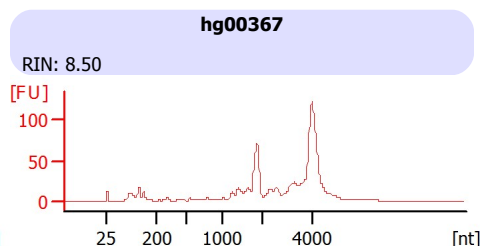
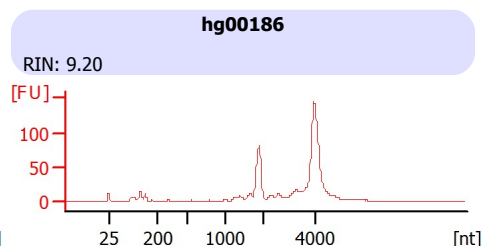
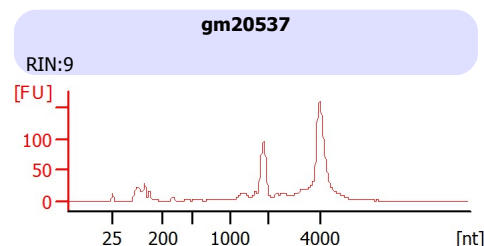
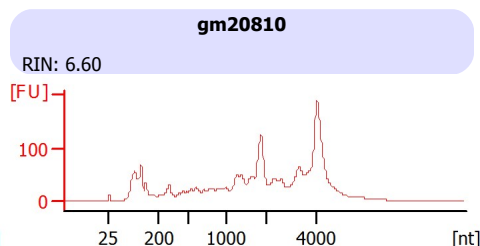
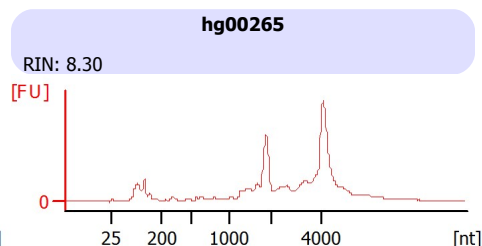
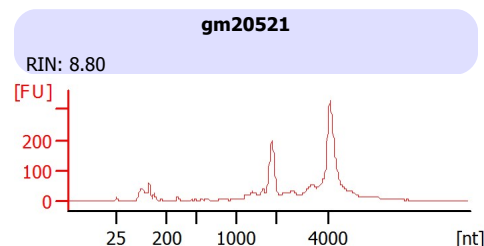
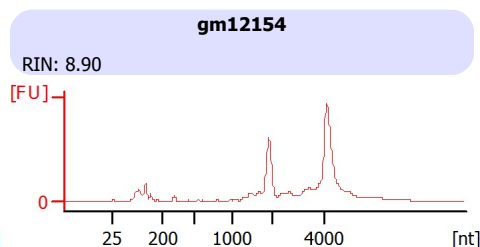
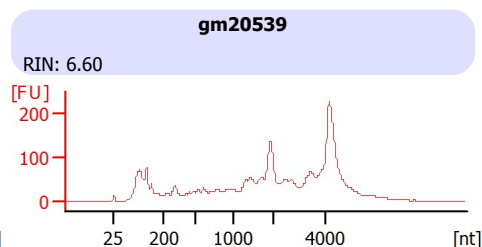
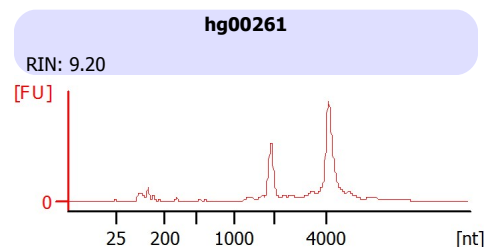
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Chip Information:

Chip Lot #:

Reagent Kit Lot #:

Chip Comments:



Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...Eukaryote Total RNA Nano_DE04105537_2011-10-18_11-41-52.xad

Created: 10/18/2011 11:41:51 AM
Modified: 10/18/2011 12:05:15 PM

Electrophoresis File Run Summary (Chip Summary)

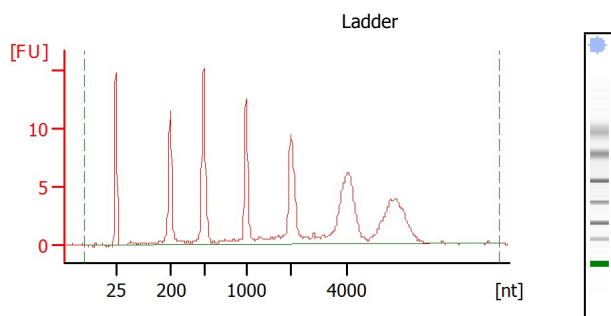
| Sample Name | Sample Comment | Status | Result Label | Result Color |
|-------------|----------------|--------|-------------------|--------------|
| hg00261 | | ✓ | RIN: 9.20 | |
| gm20539 | | ✓ | RIN: 6.60 | |
| gm12154 | | ✓ | RIN: 8.90 | |
| gm20521 | | ✓ | RIN: 8.80 | |
| hg00265 | | ✓ | RIN: 8.30 | |
| gm20810 | | ✓ | RIN: 6.60 | |
| gm20537 | | ✓ | RIN:9 | |
| hg00186 | | ✓ | RIN: 9.20 | |
| hg00367 | | ✓ | RIN: 8.50 | |
| hg00349 | | ✓ | RIN:9 | |
| hg00143 | | ✓ | RIN: 8.80 | |
| gm11843 | | ✓ | RIN: 7.30 | |
| Ladder | | ✓ | All Other Samples | |

Chip Lot #**Reagent Kit Lot #****Chip Comments :**

Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\...Eukaryote Total RNA Nano_DE04105537_2011-10-18_11-41-52.xad

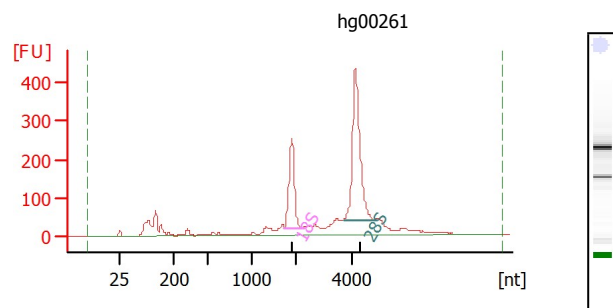
Created: 10/18/2011 11:41:51 AM
 Modified: 10/18/2011 12:05:15 PM

Electropherogram Summary



Overall Results for Ladder

RNA Area: 136.9
 RNA Concentration: 150 ng/μl
 Result Flagging Color:
 Result Flagging Label: All Other Samples

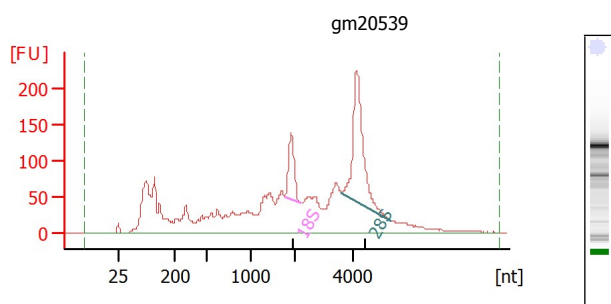


Overall Results for sample 1 : hg00261

RNA Area: 2,703.5
 RNA Concentration: 2,961 ng/μl
 rRNA Ratio [28s / 18s]: 2.0
 RNA Integrity Number (RIN): 9.2 (B.02.08)
 Result Flagging Color:
 Result Flagging Label: RIN: 9.20

Fragment table for sample 1 : hg00261

| Name | Start Size [nt] | End Size [nt] | Area | % of total Area |
|------|-----------------|---------------|-------|-----------------|
| 18S | 1,757 | 2,224 | 403.9 | 14.9 |
| 28S | 3,669 | 4,805 | 791.7 | 29.3 |

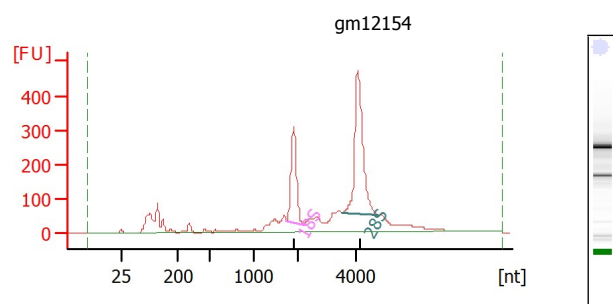


Overall Results for sample 2 : gm20539

RNA Area: 3,492.1
 RNA Concentration: 3,825 ng/μl
 rRNA Ratio [28s / 18s]: 3.0
 RNA Integrity Number (RIN): 6.6 (B.02.08)
 Result Flagging Color:
 Result Flagging Label: RIN: 6.60

Fragment table for sample 2 : gm20539

| Name | Start Size [nt] | End Size [nt] | Area | % of total Area |
|------|-----------------|---------------|-------|-----------------|
| 18S | 1,744 | 2,199 | 164.0 | 4.7 |
| 28S | 3,603 | 5,299 | 485.5 | 13.9 |



Overall Results for sample 3 : gm12154

RNA Area: 3,517.1
 RNA Concentration: 3,852 ng/μl
 rRNA Ratio [28s / 18s]: 1.9
 RNA Integrity Number (RIN): 8.9 (B.02.08)
 Result Flagging Color:
 Result Flagging Label: RIN: 8.90

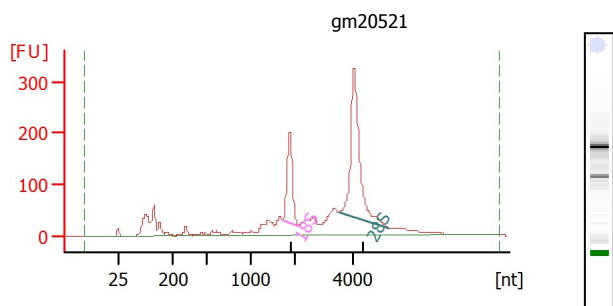
Fragment table for sample 3 : gm12154

| Name | Start Size [nt] | End Size [nt] | Area | % of total Area |
|------|-----------------|---------------|-------|-----------------|
| 18S | 1,735 | 2,155 | 477.4 | 13.6 |
| 28S | 3,530 | 4,758 | 892.4 | 25.4 |

Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\...Eukaryote Total RNA Nano_DE04105537_2011-10-18_11-41-52.xad

Created: 10/18/2011 11:41:51 AM
 Modified: 10/18/2011 12:05:15 PM

Electropherogram Summary Continued ...

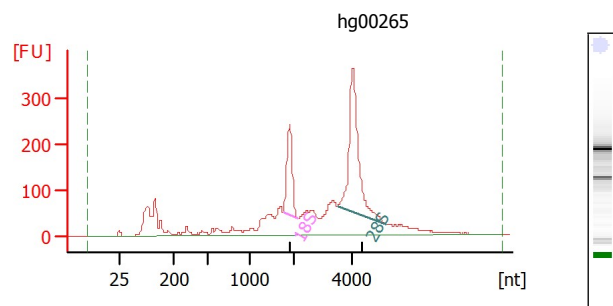


Overall Results for sample 4 : gm20521

RNA Area: 2,517.8
 RNA Concentration: 2,758 ng/μl
 rRNA Ratio [28s / 18s]: 2.3
 RNA Integrity Number (RIN): 8.8 (B.02.08)
 Result Flagging Color:
 Result Flagging Label: RIN: 8.80

Fragment table for sample 4 : gm20521

| Name | Start Size [nt] | End Size [nt] | Area | % of total Area |
|------|-----------------|---------------|-------|-----------------|
| 18S | 1,734 | 2,110 | 304.1 | 12.1 |
| 28S | 3,561 | 5,276 | 686.2 | 27.3 |

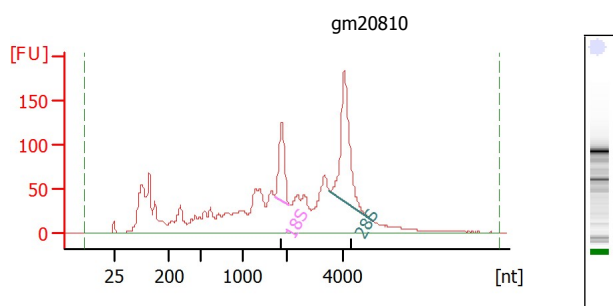


Overall Results for sample 5 : hg00265

RNA Area: 3,505.2
 RNA Concentration: 3,839 ng/μl
 rRNA Ratio [28s / 18s]: 2.3
 RNA Integrity Number (RIN): 8.3 (B.02.08)
 Result Flagging Color:
 Result Flagging Label: RIN: 8.30

Fragment table for sample 5 : hg00265

| Name | Start Size [nt] | End Size [nt] | Area | % of total Area |
|------|-----------------|---------------|-------|-----------------|
| 18S | 1,737 | 2,090 | 329.5 | 9.4 |
| 28S | 3,509 | 5,224 | 772.4 | 22.0 |

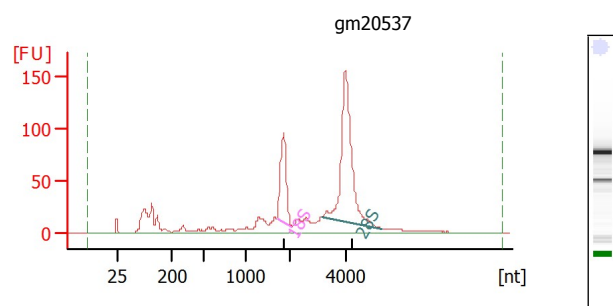


Overall Results for sample 6 : gm20810

RNA Area: 2,762.5
 RNA Concentration: 3,026 ng/μl
 rRNA Ratio [28s / 18s]: 2.2
 RNA Integrity Number (RIN): 6.6 (B.02.08)
 Result Flagging Color:
 Result Flagging Label: RIN: 6.60

Fragment table for sample 6 : gm20810

| Name | Start Size [nt] | End Size [nt] | Area | % of total Area |
|------|-----------------|---------------|-------|-----------------|
| 18S | 1,710 | 2,053 | 158.2 | 5.7 |
| 28S | 3,503 | 5,012 | 355.7 | 12.9 |



Overall Results for sample 7 : gm20537

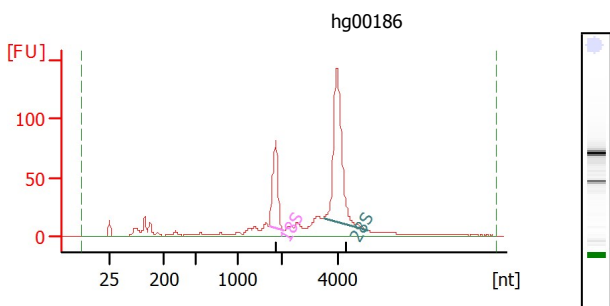
RNA Area: 1,207.3
 RNA Concentration: 1,322 ng/μl
 rRNA Ratio [28s / 18s]: 2.5
 RNA Integrity Number (RIN): 9 (B.02.08)
 Result Flagging Color:
 Result Flagging Label: RIN: 9

Fragment table for sample 7 : gm20537

| Name | Start Size [nt] | End Size [nt] | Area | % of total Area |
|------|-----------------|---------------|-------|-----------------|
| 18S | 1,708 | 2,067 | 160.8 | 13.3 |
| 28S | 3,145 | 5,286 | 408.2 | 33.8 |

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...Eukaryote Total RNA Nano_DE04105537_2011-10-18_11-41-52.xad

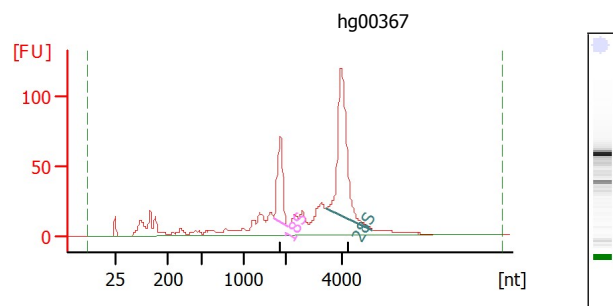
Created: 10/18/2011 11:41:51 AM
Modified: 10/18/2011 12:05:15 PM

Electropherogram Summary Continued ...**Overall Results for sample 8 : hg00186**

RNA Area: 864.1
RNA Concentration: 946 ng/μl
rRNA Ratio [28s / 18s]: 2.4
RNA Integrity Number (RIN): 9.2 (B.02.08)
Result Flagging Color:
Result Flagging Label: RIN: 9.20

Fragment table for sample 8 : hg00186

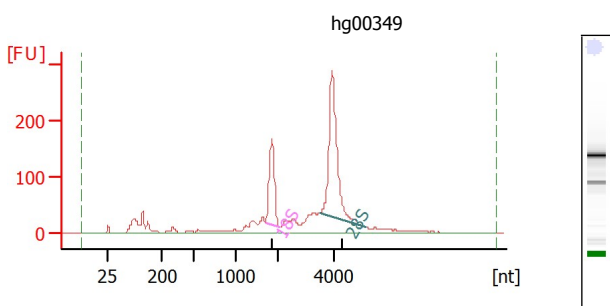
| Name | Start Size [nt] | End Size [nt] | Area | % of total Area |
|------|-----------------|---------------|-------|-----------------|
| 18S | 1,713 | 2,047 | 125.8 | 14.6 |
| 28S | 3,494 | 5,077 | 300.3 | 34.7 |

**Overall Results for sample 9 : hg00367**

RNA Area: 982.7
RNA Concentration: 1,076 ng/μl
rRNA Ratio [28s / 18s]: 2.5
RNA Integrity Number (RIN): 8.5 (B.02.08)
Result Flagging Color:
Result Flagging Label: RIN: 8.50

Fragment table for sample 9 : hg00367

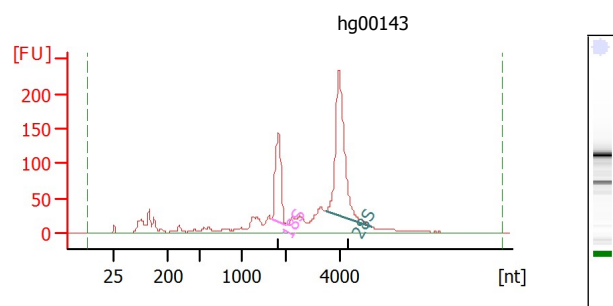
| Name | Start Size [nt] | End Size [nt] | Area | % of total Area |
|------|-----------------|---------------|-------|-----------------|
| 18S | 1,702 | 2,016 | 104.1 | 10.6 |
| 28S | 3,406 | 5,082 | 258.9 | 26.3 |

**Overall Results for sample 10 : hg00349**

RNA Area: 1,933.4
RNA Concentration: 2,118 ng/μl
rRNA Ratio [28s / 18s]: 2.3
RNA Integrity Number (RIN): 9 (B.02.08)
Result Flagging Color:
Result Flagging Label: RIN: 9

Fragment table for sample 10 : hg00349

| Name | Start Size [nt] | End Size [nt] | Area | % of total Area |
|------|-----------------|---------------|-------|-----------------|
| 18S | 1,697 | 2,041 | 255.3 | 13.2 |
| 28S | 3,517 | 5,144 | 584.1 | 30.2 |

**Overall Results for sample 11 : hg00143**

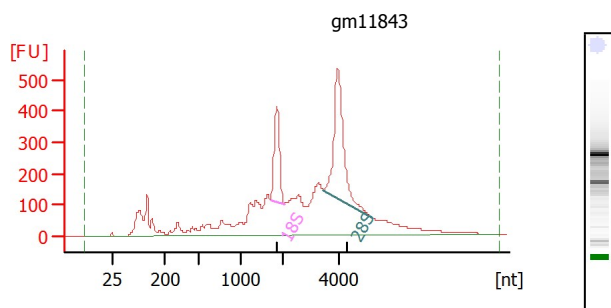
RNA Area: 1,788.0
RNA Concentration: 1,958 ng/μl
rRNA Ratio [28s / 18s]: 2.2
RNA Integrity Number (RIN): 8.8 (B.02.08)
Result Flagging Color:
Result Flagging Label: RIN: 8.80

Fragment table for sample 11 : hg00143

| Name | Start Size [nt] | End Size [nt] | Area | % of total Area |
|------|-----------------|---------------|-------|-----------------|
| 18S | 1,689 | 2,028 | 238.0 | 13.3 |
| 28S | 3,454 | 5,154 | 530.2 | 29.7 |

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...Eukaryote Total RNA Nano_DE04105537_2011-10-18_11-41-52.xad

Created: 10/18/2011 11:41:51 AM
Modified: 10/18/2011 12:05:15 PM

Electropherogram Summary Continued ...**Overall Results for sample 12 : gm11843**

RNA Area: 7,007.2
RNA Concentration: 7,675 ng/μl
rRNA Ratio [28s / 18s]: 2.1
RNA Integrity Number (RIN): 7.3 (B.02.08)
Result Flagging Color:
Result Flagging Label: RIN: 7.30

Fragment table for sample 12 : gm11843

| Name | Start Size [nt] | End Size [nt] | Area | % of total Area |
|------|-----------------|---------------|---------|-----------------|
| 18S | 1,683 | 2,016 | 521.3 | 7.4 |
| 28S | 3,436 | 5,203 | 1,106.3 | 15.8 |